Unveiling a New TRIMASTER Series Broadcast Monitor

The PVM-L2300 is a 23-inch* LCD monitor designed for use in broadcast applications. Built on the TRIMASTER™ design concept, the PVM-L2300 monitor reproduces images consistent with the BVM-L230 TRIMASTER master monitor. By incorporating the same processing engine technology as the BVM-L230 monitor, the PVM-L2300 offers the superb picture performance and sophisticated features required by today's broadcast and critical picture-monitoring applications.

* 22.5-inch viewable area measured diagonally.

SONY

PVM-L2300

LCD Bradcast Monitor

Preliminary

www.sonybiz.net/monitors

TRIMASTER

Main Features

The PVM-L2300 offers advanced features including:

> Superb picture quality and stable colour reproduction

Precision imaging achieved using the 1920 x 1200 panel with10-bit LCD driver

Multiple colour gamuts (SMPTE-C, EBU, ITU-R BT.709)*1

Digital uniformity correction

Professional Display Engine using the non-linear cubic conversion colour management system (exclusively developed I/P conversion technology)

Consistent picture quality using our exclusive panel calibration and colour feedback system

> Multi-format signal support*2 (video signals from analogue composite to Dual-Link HD-SDI video input; PC signals from VGA to WUXGA via DVI-D and HDMI interfaces)

> Picture & Picture (Side-by-Side)

> Variety of display modes (Interlace Display, Black Frame Insertion)

> Pixel Zoom

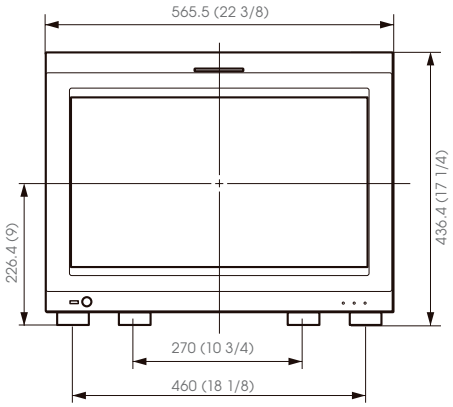
> HD Frame Capture

*1 The PVM-L2300 conforms to these colour standards.
*2 Video interfaces are offered as optional boards (BKM-244CC, BKM-243HS, BKM-220D, BKM-229X, BKM-227W). PC interfaces (DVI-D and HDMI) are equipped as standard.

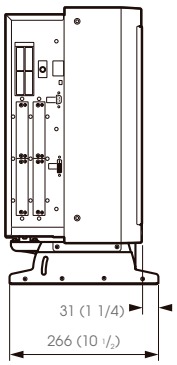
Dimensions

Unit : mm (inch)

Front



Side



Distributed by

Optional Accessories

> BKM-16R / Monitor Control Unit
> BKM-244CC / HD/SD-SDI Closed Caption Adaptor
> BKM-243HS / HD-SDI/SD-SDI Input Adaptor
> BKM-220D / SD-SDI 4:2:2 Input Adaptor
> BKM-229X / Analogue Component Adaptor
> BKM-227W / NTSC/PAL Input Adaptor
> SMF-700 / Monitor Interface Cable
> BKM-23M* / Protection Panel

* Can be used for both BVM-L230 and PVM-L2300.

Specifications

PVM-L2300		
Picture Performance		
Type		a-Si TFT Active Matrix LCD Approx. 19 1/8 x 12
Picture Size (Viewable Area)	(H x V)	Approx. 484 x 303 mm (Approx. 19 1/8 x 12 inches)
	(Diagonal)	571 mm (Approx. 22 1/2 inches)
Aspect		16:10
Resolution (H x V)		1920 x 1200 pixels (WUXGA)
Pixel Efficiency		99.99%
Backlight		Wide CCFL
Preset Brightness		100 cd/m2 (when 100% white signal is input)
Panel drive		RGB 10 bit
Panel frame rate		96/100/120 Hz
Viewing angle		85°/85°/85°/85° (up/down/left/right contrast > 10:1)
Input / Output		
Video Input/Output		Four (4) slots
PC input		DVI-D (HDCP correspondence) x 1, HDMI x 1
Control	LAN	Ethernet (10 BASE-T/100 BASE-TX), RJ-45 x 1
	Parallel Remote	D-sub 9-pin (female) x 1
	Option A	Mini-DIN 8-pin (female) x 1
	Option B	USB (Type A) x 1 (used for future expansion)
DC 5V Out		Circle 4-pin (female) x 1
General		
Power Requirements		100 to 240 V AC, 50/60 Hz
Power consumption		Approx. 80 W (with 1 x BKM-243HS)
Operating Temperature		0 °C to 35 °C (32 °F to 95 °F) (Recommended operation temperature 20°C to 30°C (68°F to 86°F))
Operating Humidity		0% to 90% (no condensation)
Operating Pressure		700 hPa to 1060 hPa
Storage and Trans. Temperature		-20 °C to +60 °C (-4 °F to +140 °F)
Storage and Trans. Humidity		0% to 90%
Storage and Trans. Pressure		700 hPa to 1060 hPa
Dimensions (W x H x D)		566 x 437 x 244 mm (22 3/8 x 17 1/4 x 9 5/8 inches)
Mass		Approx. 16 kg (Approx. 35 lb 4 oz)
Supplied Accessories		AC power cord (Parts number: 1-782-929-1x) (1), AC plug holder (1), Cable holder (1), Bracket (1), Operation Manual (Japanese, English, each 1), Connection Cable for Colour Temperature Probe (1), CD-ROM (1), Using the CD-ROM Manual (1)

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